

SECRET

Approved For Release 2002/08/06 : CIA-RDP78B04747A002400050013-7

NPIC/TSSG/DED-1591-69
17 April 1969

25X1

MEMORANDUM FOR: Chief, Development & Engineering Division, TSSG

SUBJECT : Trip Report - Contract [redacted] Processor

25X1

1. On 7 through 11 April 1969, [redacted] ESD/TSSG and [redacted] DED/TSSG [redacted] performing pre-acceptance tests on the [redacted] Processor. The results obtained were very discouraging in that the machine met only a few of the original design parameters.

25X1

25X1

25X1

25X1

25X1

2. The original intent of this system was to process both original negatives and duplicate positive stock in a straight through path using air and liquid as the carrying medium. This approach appeared feasible from the tests performed of a breadboard model of the system. However, the follow-on prototype has been plagued by numerous design deficiencies such as the originally proposed infra-red drying system which had to be replaced with a modified HTA drier which is a serpentine system—thus defeating the straight through processing cycle; the glycerine and water tank heaters had to be replaced with conventional in-tank heaters; the forced air system had to be completely revamped, etc.

3. At the conclusion of our present testing which included transport speeds, tracking, drying, carry-over, instrumentation, scratch tests, uniformity, sensitometric tests, and temperature control, it was decided that the processor simply could not meet the established parameters. Film [redacted] would not dry; film [redacted] showed considerable mottling; [redacted]

25X1

25X1

25X1

due to the thin base, would not track properly; the machine needs the constant attention of two operators; the replenishment rates are extremely high and it is very doubtful if the present design can ever be made to operate properly.

4. Prior to the pre-acceptance testing, arrangements had been made [redacted] to perform test and evaluation on the processor. However, due to the numerous deficiencies encountered, it is felt that the machine should not be sent to [redacted] for this purpose. Instead, it is recommended that the

25X1

25X1

Declass Review by NIMA/DOD

Approved For Release 2002/08/06 : CIA-RDP78B04747A002400050013-7

SECRET



SECRET

Approved For Release 2002/08/06 : CIA-RDP78B04747A002400050013-7

25X1

SUBJECT: Trip Report - Contract [] Processor

25X1

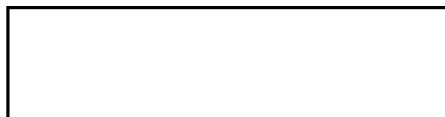
25X1

25X1

25X1

[] processor be shipped [] for storage []
[] until a recipient can be found or until salvage action is
initiated. This recommendation is made for the following reasons:
(a) the Contractor has expended [] on modifications to the
existing design and feels that further time and effort would be to
no avail; and (b) testing performed thus far has shown that the
principle as designed and implemented is not practical.

25X1



25X1

Distribution:

Orig - Addressee

1/- DED/Chief

✓2 - TSSG/DED/R&DB-I

25X1

NPIC/TSSG/DED/R&DB-I/[] (17 Apr 69)

Approved For Release 2002/08/06 : CIA-RDP78B04747A002400050013-7

SECRET